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31 May 1963

AGENDA

PURCELL PANEL MEETING

4 - 5 June 1963

MEMBERS : Dr. Edward Purcell - Chairman
Dr. James Baker
Dr. Allen Donovan
Dr. Eugene Fubini
Dr. Richard Garwin
Dr. Edwin Land
Dr. Donald Ling
Dr. Arthur Lundahl
Dr. Henry Yutzy - Consultant
Mr. Eugene Kiefer - CIA Staff Support
Mr. John McMahon - Executive Secretary

CONTRACTORS : Convair, Eastman-Kodak, Itek

4 June
0930

INTRODUCTION: Mr. John A. McCone, Director of Central Intelligence

I. Briefings

A. Intelligence Requirements for Photographic Interpretation
(Mr. James Reber - Chrm., Committee on Overhead
Reconnaissance, United States Intelligence Board/Arthur C.
Lundahl - Director, National Photographic Interpretation
Center)

B. Satellites - Existing systems, systems now programed, and
follow-on systems

evaluation of results - SPDL - ask Itek.

NRO review(s) completed.

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1030-1230

(1) Itek Corporation

- (a) CORONA M/J
- (b) LANYARD
- (c) L'
- (d) M2
- (e) 240 inch
- (f) Other

1230 - 1330

Lunch

1330 - 1515

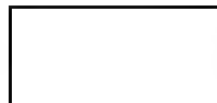
(2) Eastman-Kodak

- (a)
- (b)
- (c)
- (d) Other



1515 - 1530

(3) Future Special Satellite Systems



and
- CIA)

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- (a) Requirements for System
- (b) Requirements of System
- (c) Prior studies
- (d) Development Plan

1530 - 1700

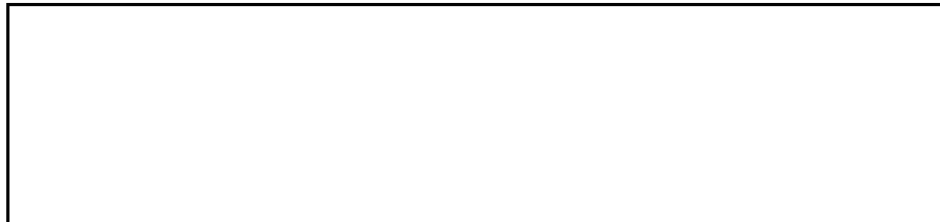
(4) SSD - Captain Gorman, USN

- (a) Advanced Systems (Research program)
- (b) Direct Read-out System

Evening Panel Session following dinner

5 June

C.



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0930 - 1030
1030 - 1130
1130 - 1230

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D. Aircraft

- (1) A-12 and AQ-12 (Drone) - Mr. Kiefer

II. Considerations for Panel Recommendations

A. Adequacy of current and proposed satellite systems

B. Research Areas

- (1) Satellite systems (guidance)
- (2) Cameras
- (3) Spectral response
- (4) All weather capability
- (5) Laser technology and applications
- (6) Improved film emulsions
- (7) Other recording media
- (8) Use of image intensifiers

C. Feasibility of direct read-out and anticipated resolution

D. Stabilization of satellites

E. Present and future vulnerability and measures which can be taken to protect satellites - *Baird proposal*

F. Effects of nuclear testing upon satellites

III. Questions to which the Panel should immediately address itself

- A. Will the improved photographic satellites now programmed produce reconnaissance photography adequate to meet our needs?
- B. What further developments in satellite photography are considered feasible and should be undertaken in the interests of developing a system which would be an

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improvement over LANYARD
 and very possibly would equal or exceed
the resolution attained in U-2 photography?

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- D. What are the applications of A-12 drones, what quality photography is expected from them, and would their operating characteristics be such as to provide useful coverage in areas important to the security of the United States?

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